

FY99 SAFETY, CAPACITY, MAINTENANCE AND MAJOR REPAIRS (SCMMR) +\$10M PLAN					
Category & Descriptions		Gaithersburg	Boulder	Total	Comments
Architectural Repairs/Replacements					G- Gaithersburg B- Boulder
1	Architectural Repairs	\$100,000		\$100,000	Interior repairs and painting of GPL interior public areas. Building 530 upgrades and replacements.
2	Architectural Studies	\$100,000		\$100,000	Site exterior closure study.
3	Interior Partition Replacements	\$150,000		\$150,000	Ongoing sitewide replacement of demountable partitions.
4	Ground Screen Replacement Project		\$300,000	\$300,000	Study and conceptual design of the Bldg. 27 ground screen replacement.
5	Repairs/Replacements to the NIST Annex Facilities	\$500,000		\$500,000	Architectural repairs and replacements to Building 530 .
6	Roof Repairs/Replacements	\$50,000	\$300,000	\$350,000	G -General roofing maintenance and repair. B -Bldg. 1 Wing 5 and Bldg. 2 roof replacements.
		\$900,000	\$600,000	\$1,500,000	
Conveying System Repairs/Replacements					
7	GPL Elevator Repairs	\$420,000	\$100,000	\$520,000	G -GPL elevator replacement to meet ADA requirements and controls upgrade (one GPL, 2 elevators). B -Elevator repairs/upgrades.
		\$420,000	\$100,000	\$520,000	
Central Utility Plant Expansion/Replacements/Upgrades					
8	Upgrade Chiller Controls	\$300,000		\$300,000	Chiller 5 & 6 controls upgrade to FAX 4500. Will make all chiller controls fully compatible.
		\$300,000	\$0	\$300,000	
Civil and Site Environmental Repairs/Replacements/Upgrades					
9	Environmental/Ecological Health and Safety Remediation	\$150,000		\$150,000	Construction of headwall to MDE requirements to facilitate berm and drainage.
11	Road Repairs	\$50,000		\$50,000	Miscellaneous repairs to existing asphalt roads and parking lots.
		\$200,000	\$0	\$200,000	
Energy Conservation Projects					
12	Energy Conservation Projects	\$250,000		\$250,000	Upgrade of main campus HVAC systems and water use reduction project, includes solar film installation.
13	Chilled Water Storage Tank Design	\$250,000		\$250,000	Begin design effort for storage tank system, will provide chilled water system flexibility and will reduce utility costs.
		\$500,000	\$0	\$500,000	
Exhaust and Air Filtration System Repairs/Replacements					
22	Duct Cleaning	\$250,000		\$250,000	Start Bldg. 221 (GPL) duct cleaning.
		\$250,000	\$0	\$250,000	

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Handicap Accessibility Projects					
14	Handicap Accessibility Designs	\$100,000		\$100,000	Design of projects per study recommendations.
		\$100,000	\$0	\$100,000	
Hazardous Materials Projects					
15	Hazardous Material Removal	\$750,000		\$750,000	Campus wide projects to support renovation and maintenance projects.
		\$750,000	\$0	\$750,000	
Mechanical-Electrical System Replacements/Upgrades					
16	Aging-Bldg. Mechanical, Heating and Cooling Systems	\$400,000	\$1,100,000	\$1,500,000	G -Sitewide replacement of building HVAC, piping, and controls. Includes DDC master plan. B -Repair/replacement of site mechanical systems infrastructure with primary focus on plumbing, HVAC and chilled water systems in support of repairs needed to the space after the relocation of NOAA to the 125 Broadway.
17	Aging-Bldg. Electrical Systems	\$400,000	\$900,000	\$1,300,000	G -Sitewide replacement of building power, lighting, and control distribution. B -Repairs/upgrades of power distribution systems to meet current code requirements and improve system reliability required after the relocation of NOAA to 125 Broadway.
18	Design Bldg. Switchgear and Transformer Replacements	\$300,000		\$300,000	Site concept, plan, design of phase building transformer replacement.
		\$1,100,000	\$2,000,000	\$3,100,000	
Site Alarm System and Fire Safety Upgrades					
19	Site Alarm System Installation	\$800,000	\$600,000	\$1,400,000	G -Continued installation of sitewide alarm system, anticipate completion in FY00; B -Sitewide multi-year replacement of Bldg. Management, security, and fire detection systems.
20	Fire Sprinkler System-Master Planning	\$200,000		\$200,000	Includes sitewide master plan of all buildings, including distribution system.
		\$1,000,000	\$600,000	\$1,600,000	
Structural Repairs/Replacements					
21	Structural Inspections, Designs and Repairs	\$50,000		\$50,000	Miscellaneous structural inspections and emergency structural repairs.
22	Bldg 245 Foundation Leakage Repairs	\$200,000		\$200,000	Concept study and design of Bldg. 245 underground exterior shell and foundation drainage systems.
		\$250,000	\$0	\$250,000	

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Site Utility System Replacements/Upgrades					
23	Site Utility Distribution Systems Replacement Designs	\$200,000		\$200,000	Design contract for selected utility system based on initial master plan recommendations.
24	Site Electrical Substation Testing Replacements	\$370,000		\$370,000	Electrical breaker replacements based on study recommendations.
25	Site Electrical Upgrades/Replacements	\$260,000		\$260,000	Purchase and installation of electrical power distribution components
26	Site Clock System Replacements	\$100,000		\$100,000	Purchase and installation of electronic clocks for use in offices, laboratories, and public areas.
		\$930,000	\$0	\$930,000	
	Total	\$6,700,000	\$3,300,000	\$10,000,000	
	FY99 SCMMR Budget			\$10,000,000	

Note: SCMMR funding will be reallocated when necessary to meet changing demands and/or funding levels.